

Name: _____

Chapter 9 Study Sheet

definition of a monomial:

definition of a polynomial:

standard form of a polynomial:

degree of a polynomial:

term of a polynomial:

Classifying Polynomials

Degree	Name by Degree	Number of Terms	Name by Term
0		0	
1		1	
2		2	
3		3	
$d \geq 4$		$t \geq 4$	

Adding and Subtracting Polynomials:

Multiplying Binomials by Binomials:

Chapter Nine Study Sheet (cont.)

Multiplying ANY Polynomial by ANY Polynomial:

definition of factoring:

Factoring Polynomials via GCF:

factoring a trinomial:

Difference of Two Squares:

Factoring by Grouping:

Summary of Factoring:

1. Put the _____ in _____.
2. _____ out the _____ of all _____.
3. If _____, check for _____.
- If _____, use _____.
- If _____, _____.
4. Lastly, check to be sure there are no common
_____ other than _____ and _____
to ensure that you arrive back at the original polynomial.

